

FIG. 1

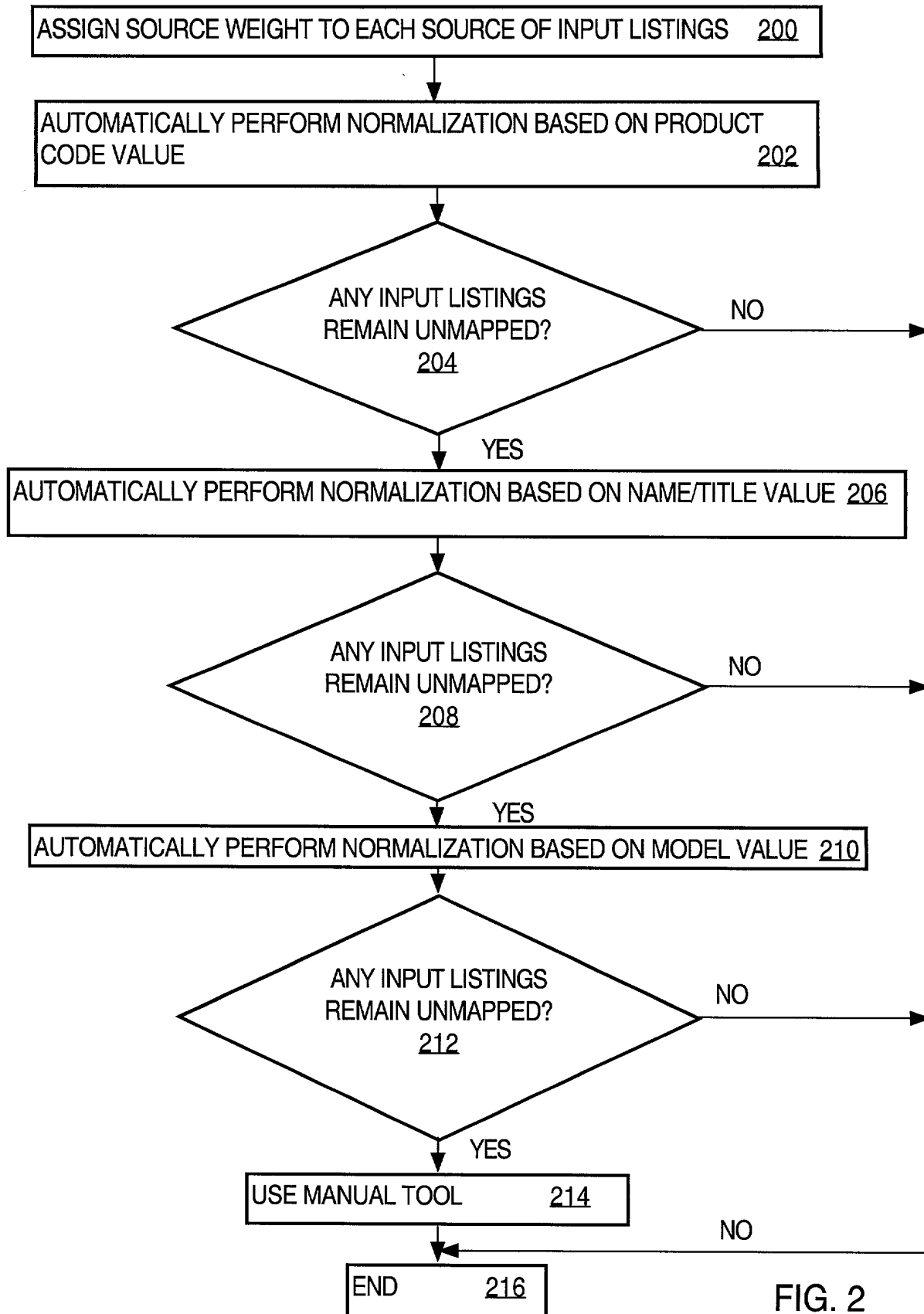


FIG. 2

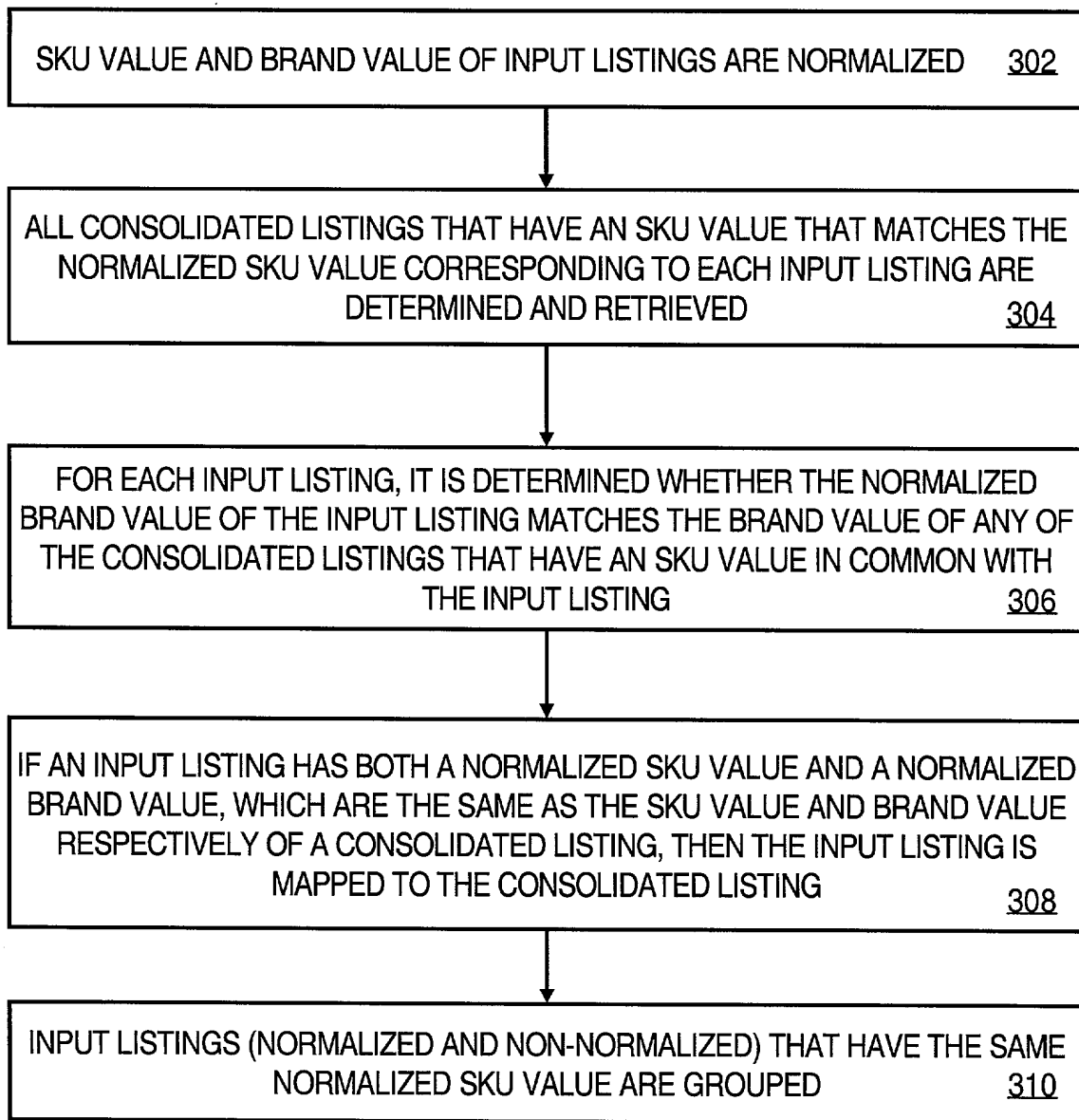


FIG. 3A

IT IS DETERMINED WHICH GROUPS FROM BLOCK 310 HAVE AT LEAST ONE INPUT LISTING THAT HAS NOT BEEN MAPPED TO A CONSOLIDATED LISTING 320

IN EACH GROUP THAT HAS AT LEAST ONE INPUT LISTING THAT HAS NOT BEEN MAPPED TO A CONSOLIDATED LISTING, SUB-GROUPS THAT HAVE THE SAME NORMALIZED BRAND VALUE ARE DETERMINED 322

IN EACH SUB-GROUP, IT IS DETERMINED WHETHER THERE ARE ANY NORMALIZED INPUT LISTINGS 324

IF IT IS DETERMINED THAT THERE ARE ANY NORMALIZED INPUT LISTINGS IN A SUB-GROUP AND IF THE NORMALIZED INPUT LISTINGS IN THE SUB-GROUP MAP TO THE SAME CONSOLIDATED LISTING, THEN ALL THE NON-NORMALIZED INPUT LISTINGS IN THE SUB-GROUP ARE NORMALIZED BY MAPPING THE NON-NORMALIZED INPUT LISTINGS IN THE SUB-GROUP TO THE CONSOLIDATED LISTING 326

IF THE NORMALIZED INPUT LISTINGS IN THE SUB-GROUP MAP TO DIFFERENT CONSOLIDATED LISTINGS, THEN THE INPUT LISTINGS IN THE SUB-GROUP ARE SET ASIDE FOR DEFERRED ANALYSIS 328

IF THERE ARE NO NORMALIZED INPUT LISTINGS IN THE SUB-GROUP, THEN A NEW CONSOLIDATED LISTING IS CREATED AND THE INPUT LISTINGS IN THE SUB-GROUP ARE MAPPED TO THE NEW CONSOLIDATED LISTING 330

FIG. 3B

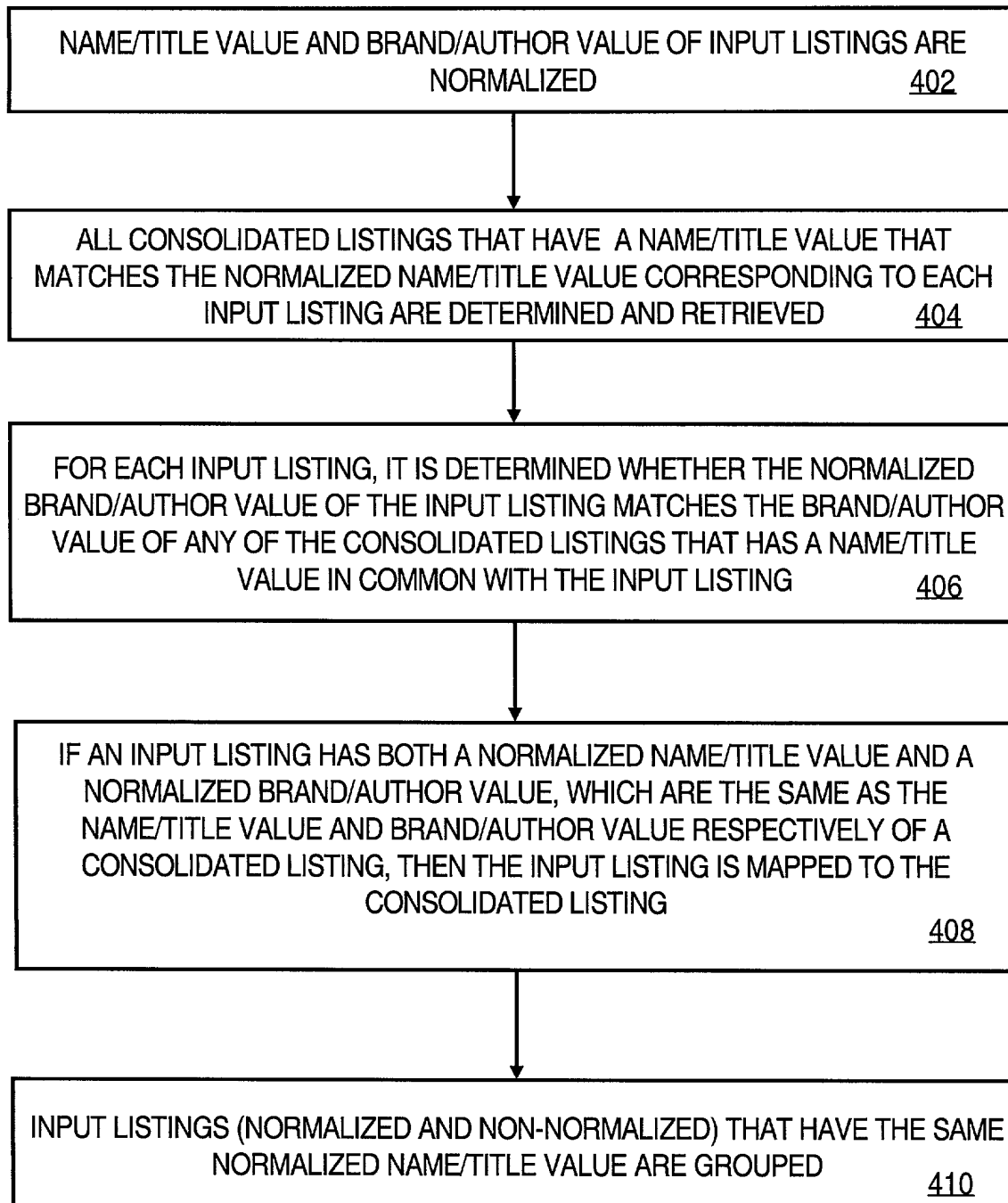


FIG. 4A

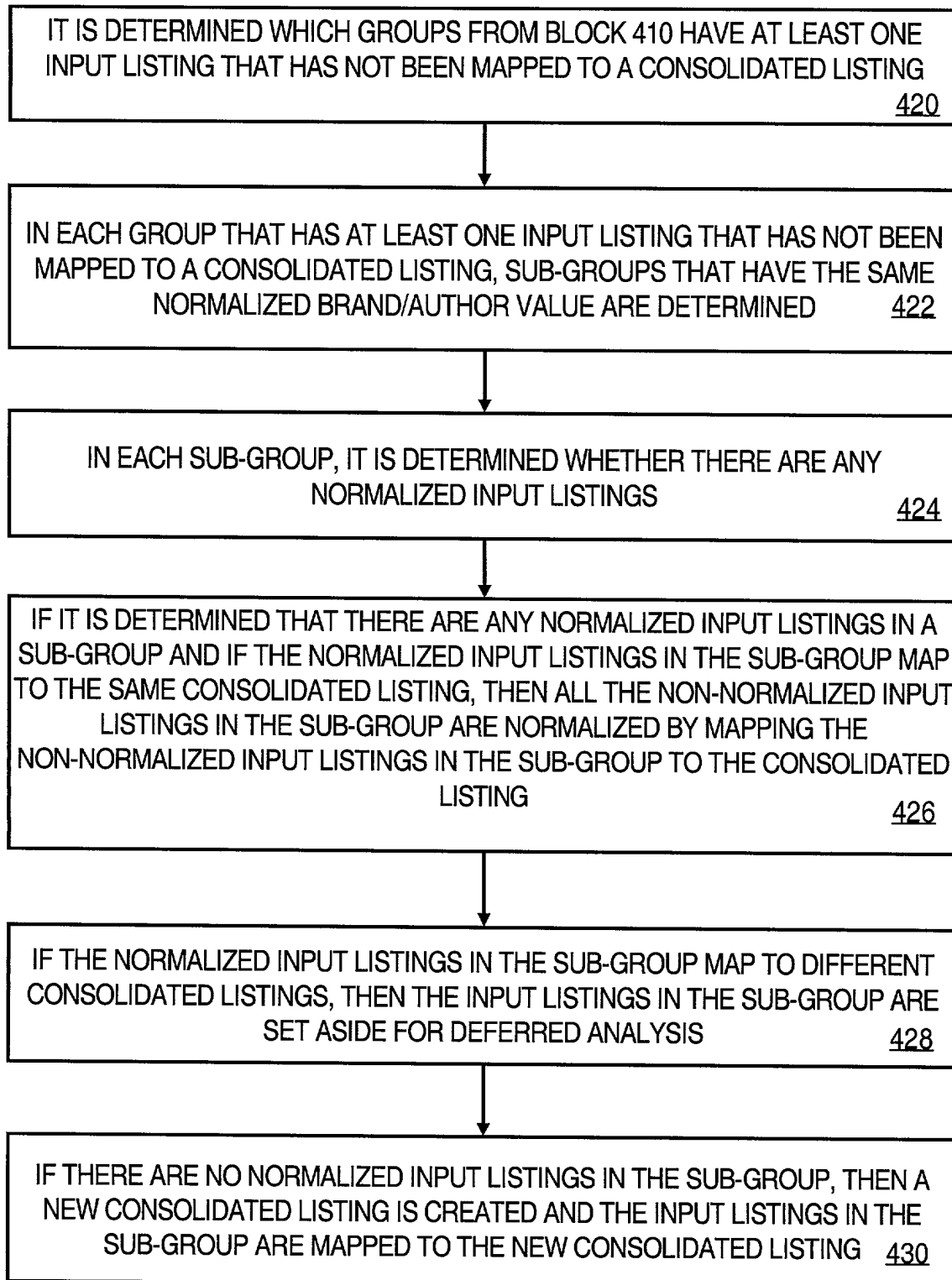


FIG. 4B

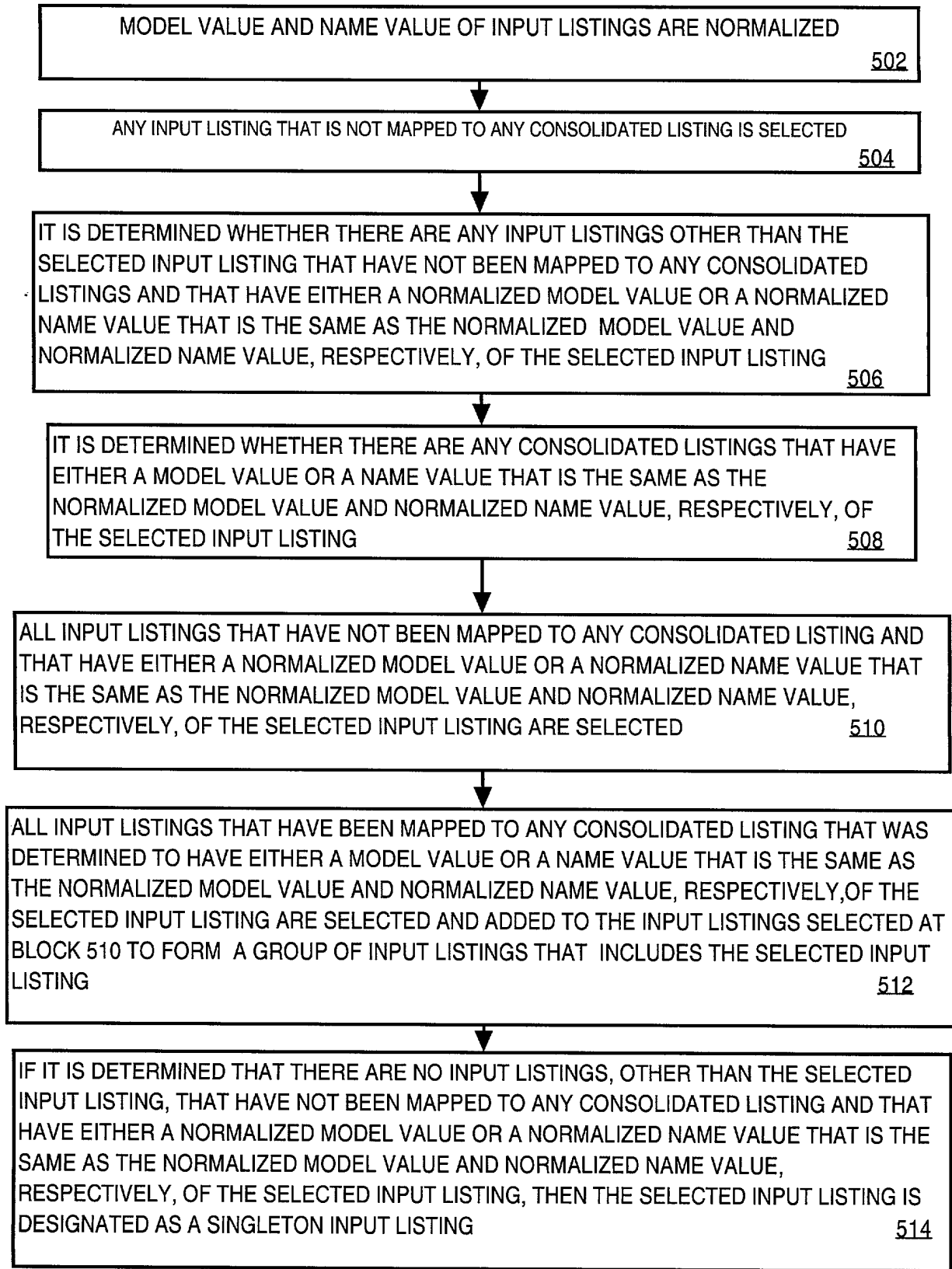


FIG. 5A

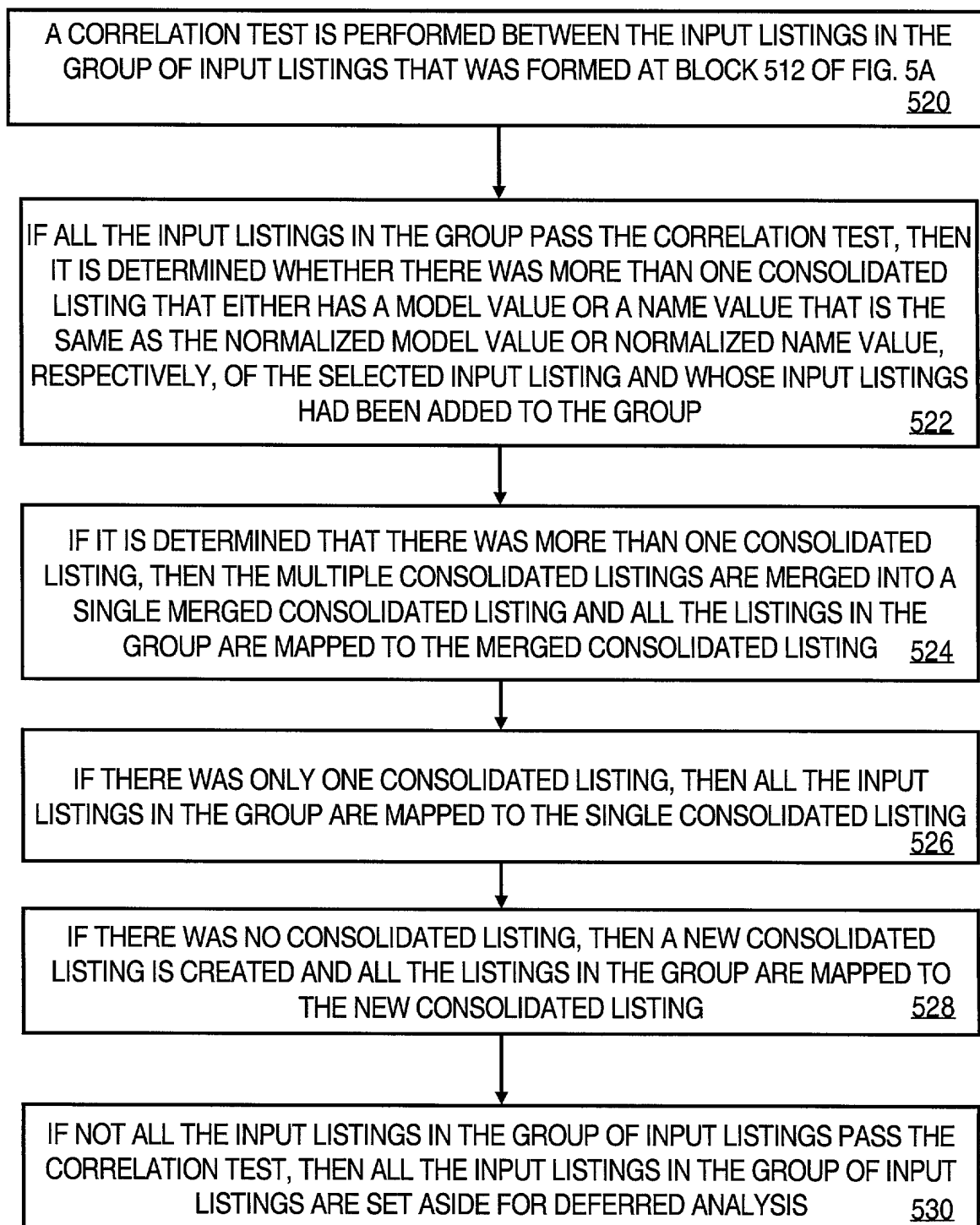


FIG. 5B



FIG. 6

